

## Code:

```
import java.util.ArrayList;

import java.util.List;

import java.util.ListIterator;

class Student {

    private int studentId;

    private String studentName;

    private boolean courseRegistered;


    public Student(int studentId, String studentName, boolean courseRegistered) {

        this.studentId = studentId;

        this.studentName = studentName;

        this.courseRegistered = courseRegistered;

    }

    public int getStudentId() {

        return studentId;

    }

    public void setStudentId(int studentId) {

        this.studentId = studentId;

    }

    public String getStudentName() {

        return studentName;

    }

    public void setStudentName(String studentName) {

        this.studentName = studentName;

    }

    public boolean isCourseRegistered() {

        return courseRegistered;

    }

}
```

```

        public void setCourseRegistered(boolean courseRegistered) {
            this.courseRegistered = courseRegistered;
        }
    }

    class Tester {
        public static void main(String[] args) {
            List<Student> students = new ArrayList<Student>();
            students.add(new Student(1001, "Steve", true));
            students.add(new Student(1002, "Rachel", false));
            students.add(new Student(1003, "Monica", true));
            students.add(new Student(1004, "David", true));

            ListIterator<Student> item = students.listIterator();
            System.out.println("Student names");
            while (item.hasNext()) {
                System.out.println(item.next().getStudentName());
            }

            System.out.println();

            System.out.println("Student names in reverse order");
            while (item.hasPrevious()) {
                System.out.println(item.previous().getStudentName());
            }
        }
    }
}

```

## Output:

Student names

Steve

Rachel

Monica

David

Student names in reverse order

David

Monica

Rachel

Steve